

# HOUSE

-		<b>Place No.</b>	332
<b>ADDRESS</b>	138-140 Brysons Road Warranwood	<b>Last Update</b>	
<b>DESCRIPTION</b>	The contemporary house of A.B.(Alan) Coldicutt at 138-140 Brysons Road, Warrandyte South is said to have been built as a prototype for various important innovations in Energy Conscious Design. Alan and his late wife Beth (B.E. Coldicutt) pioneered research in this area as lecturers in the Department of Architecture, Building and Planning at the University of Melbourne for 20 years from the early 1970s. A generation of architects and other building industry practitioners were inspired to consider low-energy design due to the activities of the Coldicutts and their house.		
	<b>Condition</b> -	<b>Integrity</b>	Not known
	<b>Threats</b> Relocation of owner?	<b>Key elements</b>	
	<b>Designer</b> Alan B. and Beth Coldicutt		
<b>HISTORY</b>	The house was built designed by Alan B. Coldicutt with his late wife, Beth, in 1984. Mr Coldicutt still lives there.		
	It is highly significant and influential in having been designed to need no mechanical heating or cooling, yet maintaining an ambient temperature around 20-21 degrees Celsius.		
	Its construction system has high thermal mass, it is well cross-ventilated and it uses about 50m2 of second-hand domestic solar panels to heat its swimming pool etc.		
	It is a rectangular pavilion of cavity-insulated double concrete block. Adjacent on the north side is a light-weight entirely glazed sun-space of no thermal mass, with a light-weight timber floor. This achieves maximum temperature rise and special doors (double glazed with vents top and bottom) are opened to transfer the heat to the interior of the house as required. Dense evergreen bushes of a fast-growing species shade the sunspace in summer and are pruned back in winter.		
	The thermal calculations were successfully completed using the Tempel computer programme, developed by Mr Coldicutt in the early 1980s at Melbourne University.		
	Other second-hand materials used in the building include glass discarded by ACI during manufacture.		
	Comparative Analysis - other known low-energy houses in the municipality include:		
	1. The Solar House, 32 Rosco Drive, Templestowe (1978) Cocks & Carmichael, architects. Landmark Constructions (later Landmark Solar Houses Pty Ltd) builders. Heating and hot water system designed by Bill Charters, 1979 President of the International Solar Energy Society, comprises roof solar air collectors and a massive bluestone screenings thermal storage rock pile with other energy conservation features. It is the first commercially available solar energy project house in Australia. Victorian Heritage Register No.1312.		
	2. 8 Beverley Hills Drive (1982) Graeme C. Gunn, architect. Merchant Builders, builder. Tromb-Michelle wall, now removed, second use.		
	3. 33 Paynters Road, Wonga Park (1980-90) Gas & Fuel Corporation low energy design, derived from 1972 competition. Designed by Alan Coldicutt's students: Willys Span (-Keble) and Tom Williamson.		
	4. 35 Paynters Road, Wonga Park (1983-4) Lindsay Holland, architect.		
	<b>Creation Date</b> 1984	<b>Change Dates</b>	
	<b>Associations</b>	<b>Local Themes</b>	
	Mr & Mrs Coldicutt	8.02 - Architects	
<b>STATEMENT OF SIGNIFICANCE</b>	The contemporary house of A.B. (Alan) Coldicutt at 138-140 Brysons Road, Warranwood is of regional historical significance for its association with the Coldicutts and of regional social		

significance for its technological innovations. It was built in 1984 as a prototype for various important innovations in energy-conscious design including not needing any mechanical heating and cooling whilst maintaining near- constant temperature.

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## LEVEL

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### RECOMMENDATIONS

#### Heritage Register Listings

Register	Reference	Zoning	Status
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None Specified

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#### Extent

#### Heritage Schedule

External Paint Controls:

On VHR:

VHR Ref No:

Internal Alteration Controls:

Prohibited Uses:

Tree Controls:

Aboriginal Heritage Place:

Outbuildings or Fences:

Incorporated Plan:

Incorporated Plan Details

Description:

#### Conservation Management

#### Extra Research

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**BIBLIOGRAPHY** [1] Conversation, Mr Coldicutt and Michael Lorry with RP, January, 1997